



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Chemical Safety and Pollution Prevention  
Registration Division (7505C)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:  
85678-29

Date of Issuance:  
**DEC 19 2012**

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration

Term of Issuance:  
Unconditional

Name of Pesticide Product:  
Acephate 90 WDG

(under FIFRA, as amended)

**Name and Address of Registrant (include ZIP Code):**

RedEagle International LLC  
1925 East Edgewood Drive, Suite 105  
Lakeland, FL 33803

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label change before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No 85678-29."

Signature of Approving Official:

*[Handwritten Signature]*

Date:

**DEC 19 2012**

Venus Eagle, Product Manager 01  
Insecticide-Rodenticide Branch, Registration Division (7505P)

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3. Storage stability (830.6317) and corrosion characteristics (830.6320) data must be submitted within 18 months from the date of this registration notice.

4. Submit one copy of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. If you have any questions, please contact Autumn Metzger at 703-305-5314 or metzger.autumn@epa.gov.

A stamped copy of the label is enclosed for your records.

Venus Eagle  
Product Manager 01  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

Enclosure

**ACEPHATE 90 WDG**

**Sub Label A Pages 1-33:** Cotton, Field Crops, Tobacco, Fruit Crop, Vegetable Crops (except succulent green beans), Non bearing Citrus, Container Grown Nursery Stock, Ornamental Trees & Shrubs, Golf Course Turf, Outdoor Wasp and Perimeter Spray, Outdoor Floral Crops and Ground Covers, Commercial Greenhouse Floral and Foliage Plant Crops

**Sub Label B, Pages 33-38 :** Commercially Treated Cottonseed

**ACTIVE INGREDIENT:**

Acephate (O,S-Dimethyl acetylphosphoramidothioate).....90.0%

**OTHER INGREDIENTS:**.....10.0%

**TOTAL** .....100.0%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

<b>FIRST AID</b>	
Acephate is an organophosphate, cholinesterase Inhibitor	
<b>IF SWALLOWED:</b>	
<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have a person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>	
<b>IF IN EYES:</b>	
<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul>	
<b>IF ON SKIN OR CLOTHING:</b>	
<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>	
<b>IF INHALED:</b>	
<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>	
<b>NOTE TO PHYSICIAN:</b>	
Acephate is a cholinesterase inhibitor. Measurement of blood cholinesterase activity may be useful in monitoring exposure but decisions regarding treatment will usually need to be made before test results are available. If signs of cholinesterase inhibition appear, atropine sulfate is antidotal. 2-PAM (PROTOPAM) is also antidotal and may be used in conjunction with atropine but should not be used alone.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For 24-hour medical emergency assistance (human or animal) call 1-800-222-1222.	

EPA Reg. No.: 85678-  
EPA Est. No.  
Manufactured for  
RedEagle International, LLC  
1925 E. Edgewood Drive, Ste 105  
Lakeland, FL 33803

NET CONTENTS: \_\_ Pounds

**ACCEPTED  
DEC 19 2012**  
**Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for the  
pesticide registered under:**

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Harmful if swallowed or inhaled. Causes moderate eye irritation. Avoid contact with eyes or clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, and Viton. If you want more options, follow the instructions for category F on an EPA chemical-resistance category selection chart.

**Mixers, loaders, applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Socks and shoes
- Chemical-resistant gloves

In addition, all mixers and loaders and all applicators using low-pressure hand wand application equipment must wear:

- A NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P, or HE filter.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

See engineering controls for additional requirements.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Controls Statement**

Pilots must use an enclosed cockpit in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)].

The use of human flaggers is prohibited.

**User Safety Recommendations**

Users should

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to birds. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do

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not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**READ THE ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protections Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves made out of any waterproof material
- Shoes plus socks

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides [40 CFR Part 170]. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter until sprays have dried.

#### PRODUCT INFORMATION

Acephate 90 WDG is a dispersible granule used as an insecticide for control of listed pests on selected agricultural crops and in certain listed non-crop areas. The active ingredient in Acephate 90 WDG is absorbed by plants via the roots and foliage to provide systemic control of feeding insects. Insect pests are generally controlled more effectively by Acephate 90 WDG through ingestion than by contact.

Because it is impossible to test this product for every combination of cultivar, soil and horticultural practice, it is the responsibility of the user to ensure that Acephate 90 WDG is compatible with the variety or cultivar of the ornamental crop to which you are making an application under your specific conditions. Test the product on a limited scale and observe for phytotoxicity over a two-week period prior to making large-scale applications.

Make repeat applications of Acephate 90 WDG to maintain control only as directed.

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FAILURE TO FOLLOW THE INSTRUCTIONS IN THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, AND/OR ILLEGAL RESIDUES.

**TANK MIXES**

- When tank mixing Acephate 90 WDG with other products, read the entire label of each product being added to the mix and follow the most restrictive guidelines applicable to your situation.
- The user, applicator and/or application advisor accepts full responsibility for using this product with any other product or application method not expressly authorized by this label.

**RESTRICTIONS:**

- Acephate 90 WDG is NOT for indoor residential use.
- Turf uses are restricted to ground applications to golf courses and sod farms only.
- This product is NOT for outdoor residential use on lawns, turf, home gardens, ornamentals, flowers, shrubs or trees. This restriction applies to all uses listed on this label.

**CHEMIGATION RESTRICTIONS:**

- Only cranberries can have this product applied by chemigation (sprinkler irrigation) system.
- Do not apply to cranberries using any other type of irrigation system.

**HAND WAND RESTRICTIONS**

- Do not make applications by low-pressure hand wand in California.
- Agricultural Uses - Low-pressure hand wand equipment may *only* be used for mound treatment to control fire ants.
- Non-Agricultural Uses - Low-pressure hand wand equipment may *only* be used for mound treatment to control fire ants and on ornamental trees, shrubs and floral plants only when grown for non-agricultural or non-commercial use.
- Low-pressure hand wand equipment may not be used for perimeter control or wasp treatments.

**SPRAY DRIFT MANAGEMENT**

Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, non-target crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

For ground boom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy and when wind speed is 10 mph or less at the application site as measured by an anemometer. Use fine or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles.

For airblast applications, direct spray above foliage and turn off outward pointing nozzles at row ends and outer rows. Apply only when wind speed is 3-10 mph at the application site as measured by an anemometer outside of the treated area on the upwind side.

For aerial applications, the boom width must not exceed 75% of the wingspan or 90% of the rotary blade. Use upwind swath displacement and apply only when wind speed is 3-10 mph as measured by an anemometer. Use fine or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles. If application includes a no-spray zone, do not release spray at a height greater than 10 feet above the ground or the crop canopy.

For overhead chemigation, apply only when wind speed is 10 mph or less.

The applicator also must use all other measures necessary to control drift.

**COTTON**

PHI (pre-harvest interval) denotes number of days to harvest.

**RESTRICTIONS:**

- Do not feed treated forage or gin trash to livestock.
- Do not allow animals to graze on treated areas.
- Do not apply more than 4.0 lbs. a.i. per acre per crop cycle. This includes all methods of application.
- The maximum single aerial application rate for use in California and Arizona is 1.0 lb a.i. per acre. For all remaining areas, the maximum single aerial application rate is 0.75 lb a.i. per acre.

**COTTON: IN-FURROW**

PESTS CONTROLLED	RATES OF ACEPHATE 90 WDG PER ACRE	REMARKS	Minimum Spray Interval (Days)
Aphids* Black (Greasy) Cutworm (Except CA) Thrips (including Western Flower Thrips) *Excluding Cotton Aphids in AZ and CA	0.56 to 1.1 lb.  For the Black Lands Region of Texas, use the 1.1 lbs./acre application rate	Apply in 3 to 5 gals. of water per acre as an in-furrow spray using flat-fan nozzles. Align nozzles to ensure good spray deposition into the seed furrow. Do not use cone type nozzles since unacceptable spray deposition may occur. Securely fasten spray-system tubing to furrow opener and check frequently to ensure proper positioning and operation. Acephate 90 WDG can be mixed with fungicides that are sprayed in-furrow for disease control.	N/A

**COTTON: FOLIAR****By ground:** Apply a minimum of 10 to 25 gallons of water/A.**By air:** Apply a minimum of 3 to 10 gallons of water/A (Minimum of 5 gallons of water/A in AZ and CA).

PESTS CONTROLLED	RATES OF ACEPHATE 90 WDG PER ACRE	REMARKS	Minimum Spray Interval (Days)	PHI
Thrips (including Western Flower Thrips)	3.2 oz.	Apply when eggs or insects first appear. Repeat application as necessary to maintain control.*	7	21
Plantbugs (Lygus)	0.25 to 1.1 lb.  AZ & CA: 0.5 to 1.1 lb.	Apply when eggs or insects first appear. Use higher specified rate for Lygus adults that have migrated into cotton. Repeat application as necessary to maintain control.*	7	21
Fleahopper	0.25 lb.	Apply when eggs or insects first appear. Repeat application as necessary to maintain control.*	7	21
Cotton Aphids (excluding AZ and CA)	0.5 to 1.1 lb.	This insect may develop resistance to various classes of insecticides. Consult your local Agricultural Extension Service for current control instructions. Repeat as necessary to maintain control.*	7	21

PESTS CONTROLLED	RATES OF ACEPHATE 90 WDG PER ACRE	REMARKS	Minimum Spray Interval (Days)	PHI
Whitefly (excluding Sweetpotato Whitefly/Silverleaf Whitefly)	0.5 to 1.1 lb.	Repeat application as necessary to maintain control.*	7	21
Armyworms (excluding Beet Armyworm) Cabbage Looper	1.1 lb.	Apply when eggs appear and repeat applications using 7-day spray intervals.*	7	21
Bollworm Tobacco Budworm (Adults, Larvae) Eggs/ DEADHATCH®	0.5 to 1.1 lb. (East of Rockies) 1.1 lb. (AZ & CA) 0.5 to 0.5 lb.	Early Season: Use 0.5 lb/A for light infestation. Mid and Late Season: Use 0.8 to 1.1 lb/A for moderate to severe infestations.  Apply when eggs appear and repeat at 7 day spray intervals. Moths of budworm larvae are controlled by direct contact with spray. Moth kill is most likely to occur when late evening applications are made. DEADHATCH®: Control of emerging larvae by consumption of treated egg casings.	7	21
Stink Bugs	0.8 lb.	Apply when eggs appear and repeat applications using 7-day spray intervals.*	7	21
Pink Bollworm (AZ & CA)	1.1 lb.	Apply when insects appear and repeat at 7-day spray intervals.	7	21
Cutworms	0.8 lb.	Apply by ground application for best results. Control is most effective when ground application is made in the evenings and sprays are directed toward the base and lower portion of the plant. Apply when insects first appear or damage is first noted and repeat as necessary to maintain control.*	7	21

**RESTRICTIONS**

\* Not to exceed a maximum of 4.0 lbs a.i. per acre per crop cycle. This includes all methods of application.

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40**COTTON TANK MIXES**

Always read and follow all label directions when using any pesticide alone or in tank mix combinations. Observe all restrictions and precautions which appear on all product labels. The most restrictive labeling applies when using a tank mix.

**COTTON TANK MIX: FOLIAR**

**By Ground:** Minimum of 10 to 25 gals. water/A of spray

**By Air:** 3 to 10 gals./A of spray (minimum of 5 gals water/A in CA)

**RESTRICTIONS:**

- Do not feed gin trash or treated forage to livestock.
- Do not allow animals to graze on treated areas.
- Do not apply more than 4.0 lbs. a.i. per acre per crop cycle. This includes all methods of application.
- The maximum single aerial application rate for use in California and Arizona is 1.0 lb. a.i. per acre. For all remaining areas, the maximum single aerial application rate is 0.75 lb. a.i. per acre.

PESTS CONTROLLED	AMOUNT OF ACEPHATE 90 WDG + Tank Mix Partner Per Acre	REMARKS	Minimum Spray Interval (Days)	PHI
Sweet potato Whitefly (Silverleaf Whitefly)	0.5 lb. + 10-2/3 to 16 fl. oz. DANITOL 2.4EC	Follow all applicable directions, restrictions, and precautions on the EPA registered label for DANITOL 2.4 EC	3	21
Armyworms (excluding Beet Armyworm) Bollworm Cabbage Looper Cotton Aphid Cutworms Fleahopper Grasshoppers Pink Bollworm Plantbugs (Lygus, Mirids) Salt Marsh Caterpillar Thrips (Including Western Flower Thrips) Tobacco Budworm Whitefly (Excluding Sweet potato /Silverleaf Whitefly)	0.28 to 1.1 lbs. (ground) or 0.28 to 0.83 lb. (aerial) + 1 to 2 pts. LORSBAN 4E or CHLORPYRIFOS 4E	Follow all applicable directions, restrictions and precautions on the EPA registered label for LORSBAN 4E. <b>Cutworms:</b> Use of 0.8 lb./A Acephate 90 WDG <b>By Ground:</b> Ground application is recommended. Control is most effective when ground application is made in the evenings and sprays are directed toward the base and lower portion of the plant. <b>By Air:</b> Aerial applications are less effective, but may be used. Apply when insects first appear or when damage is first noted.	7	21

**RESISTANCE MANAGEMENT**

For cotton pest control programs, especially those for control of silverleaf whitefly populations, employ a properly designed resistance management strategy. Such resistance management strategies include mixture or rotation of alternative classes of chemistry including organophosphates, carbamates, pyrethroids or insect growth regulators. Consult your state or area agricultural extension service for local resistance management strategies and advice on alternative insecticides.

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**COTTON TANK MIXES WITH PYRETHROIDS**

**RESTRICTIONS:**

- Do not feed gin trash or treated forage to livestock.
- Do not allow livestock to graze on treated areas.
- Do not apply more than 4 lbs. a.i./A per season. This includes all methods of application. This includes the use of Acephate 90 WDG as an in-furrow at planting treatment, all foliar spray, liquid in-furrow application and seed treatment uses.

Use synthetic pyrethroids within the guidelines of state and/or regional resistance management programs and instructions.

Always read and follow all label directions when using any pesticide alone or in tank mix combinations. Follow all restrictions and precautions, which appear on all product labels. The most restrictive labeling applies when using a tank mix.

**COTTON TANK MIX: FOLIAR**

**By Ground:** Minimum of 10 to 25 gals. water/A of spray  
**By Air:** 3 to 10 gals./A of spray (minimum 5 gals. water/A in CA).

PEST CONTROLLED	AMOUNT OF ACEPHATE 90 WDG + Tank Mix Partner Per Acre	REMARKS	Minimum Spray Interval (Days)	PHI
Aphids Bollworm Cabbage Looper Cotton Leaf Perforator Cutworms Fall Armyworms Fleahoppers Pink Bollworm (AZ & CA) Plantbugs Stinkbugs Sweetpotato/Silverleaf Whitefly Thrips (including Western Flower Whitefly Thrips) Tobacco Budworm	0.5 to 1.1 lb. (ground) or 0.5 to 0.83 lb. (air) + one of the following: AMMO®2.5 EC*(Refer to the AMMO® 2.5EC approved label for use instructions). OR ASANA® XL* (Refer to the ASANA® XL approved label for use instructions). OR BAYTHROID® 2 EC (Refer to the BAYTHROID® 2EC approved label for use instructions). OR CAPTURE® 2 EC (Refer to the CAPTURE® 2 EC approved label for use instructions). OR	Apply when eggs or insects first appear or damage is first noted.  <b>Stink Bugs:</b> Use 0.83 lb./A of ACEPHATE 90 WDG. <b>*Cutworms:</b> Use 0.83 lb./A of ACEPHATE 90 WDG.  <b>By Ground:</b> Apply by ground application for best results. Control is most effective when ground application is made in the evenings and sprays are directed toward the base and lower portion of the plant. <b>By Air:</b> Aerial applications are less effective than ground application, but may be used. Repeat as necessary to maintain control.*	7	21

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PEST CONTROLLED	AMOUNT OF ACEPHATE 90 WDG + Tank Mix Partner Per Acre	REMARKS	Minimum Spray Interval (Days)	PHI
	KARATE® 1E (except CA) (Refer to the Karate® 1E approved label for use instructions). OR			
	SCOUT X-TRA® (Except CA) (Refer to the SCOUT X-TRA® approved label for use instructions).			28

**RESTRICTIONS**

\*Do not apply more than 4 lbs./A (4 lbs. a.i.) per season. This includes all methods of application.

**RESISTANCE MANAGEMENT**

For cotton pest control programs, especially those for control of silverleaf whitefly populations, employ a properly designed resistance-management strategy. Such resistance management strategies include mixture or rotation of alternative classes of chemistry including organophosphates, carbamates, pyrethroids or insect growth regulators. Consult your state or area agricultural extension service for local resistance management strategies and advice on alternative insecticides.

**FIELD CROPS**

PHI (pre-harvest interval) denotes number of days to harvest.

CROP	INSECTS	AMOUNT OF ACEPHATE 90 WDG	FURTHER USE INSTRUCTIONS AND RESTRICTIONS	Minimum Spray Interval (Days)	PHI
Peppermint, Spearmint	Alfalfa looper Cutworm Aphids	1.11 lbs.	Make the initial application when eggs or insects first appear using a minimum of 20-100 (ground) or 5-10 (aerial) gal. of water/A. <b>RESTRICTIONS:</b> <ul style="list-style-type: none"> <li>Do not apply more than 2.0 lbs. a.i. (2.22 lbs. product) per acre per season.</li> <li>The grazing of animals on treated areas and the feeding of spent mint hay to animals are prohibited.</li> <li>Maximum of 2 applications per crop season.</li> </ul>	7	14
Peanuts (for postemergence, foliar, ground)	Grasshoppers	0.28-0.55 lb.	Apply in water at 10 to 50 gals. spray per acre by ground or in 5 to 10 gals. spray per acre by air Begin applications when insects first appear		14 (of digging)
	Thrips	0.55-0.83 lb.			

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CROP	INSECTS	AMOUNT OF ACEPHAT E 90 WDG	FURTHER USE INSTRUCTIONS AND RESTRICTIONS	Minimum Spray Interval (Days)	PHI
/aerial)	Corn earworms Fall armyworms Leafhopper Loopers Velvetbean Caterpillar	0.83-1.11 lbs.	and repeat as needed to maintain control.* <b>RESTRICTIONS:</b> <ul style="list-style-type: none"> <li>Do not feed treated forage or hay to livestock or allow animals to graze treated areas.</li> <li>Do not apply more than 4.0 lbs. a.i. (4.44 lbs. product) per acre per crop cycle. This includes all methods of application.</li> </ul>		
Soybeans	Grasshopper Thrips  Potato Leafhopper Stinkbugs	0.28-0.55 lb.  0.55-1.1 lbs.	<b>By Air:</b> 5 to 10 gallons/Acre of spray <b>By Ground:</b> 10 to 50 gallons/Acre of spray. Always read and follow all label directions, restrictions, and precautions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix. <b>RESTRICTIONS:</b> <ul style="list-style-type: none"> <li>Do not graze or cut vines for hay or forage.</li> <li>Do not apply more than 1.5 lbs. a.i./Acre (1.6 lb of Acephate 90 WDG) per season.</li> </ul>		14
Soybeans	Armyworms (except Beet) Bean Leaf Beetle Cabbage Looper Green Cloverworm Mexican Bean Beetle Soybean Aphid Three-cornered Alfalfa Hopper Velvetbean Caterpillar	0.83-1.1 lbs.	<b>By Air:</b> 5 to 10 gallons/Acre of spray <b>By Ground:</b> 10 to 50 gallons/Acre of spray. Always read and follow all label directions, restrictions, and precautions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix. <b>RESTRICTIONS:</b> <ul style="list-style-type: none"> <li>Do not graze or cut vines for hay or forage.</li> <li>Do not apply more than 1.5 lbs. a.i./Acre (1.6 lb. of Acephate 90 WDG) per season.</li> </ul>	7	14

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40**TOBACCO****TOBACCO TRANSPLANT WATER APPLICATION (Use Prohibited in CA)**

<b>CROP</b>	<b>INSECTS</b>	<b>AMOUNT OF ACEPHATE 90 WDG PER ACRE</b>	<b>FURTHER USE INSTRUCTIONS AND RESTRICTIONS</b>
Tobacco	Flea Beetle Green Peach Aphid Tobacco Aphid Cutworms Tobacco Thrips	0.8 lb.	Provides control of early season flea beetles, green peach aphids, tobacco aphids, and cutworms for approximately 3 to 4 weeks after transplanting. For later season control of these insects, apply a foliar spray of Acephate 90 WDG.  Do not apply more than 0.8 lb. Acephate 90 WDG per acre as a transplant water application as some phytotoxicity may occur.  <b>RESTRICTIONS:</b> <ul style="list-style-type: none"> <li>Do not apply more than 4.0 lbs. a.i. (4.44 lbs. product) per acre per crop cycle. This includes all methods of application.</li> <li>Apply in a minimum of 100 gals. of water per acre.</li> </ul>
		1.25 lb.	Application of this product at rates higher than 0.8 lb. per acre as a transplant water application can cause phytotoxicity.  <b>RESTRICTIONS:</b> <ul style="list-style-type: none"> <li>Use limited to TN.</li> <li>Apply using a minimum of 200 gal of water/A.</li> <li>Do not apply more than 4.0 lbs. a.i. (4.44 lbs. product) per acre per crop cycle. This includes all methods of application.</li> </ul>
Make transplant-water applications using mechanical transplant equipment only. Using such equipment, the insecticide/water mixture is mechanically applied directly into the soil along with the transplanted plants.			

**TOBACCO FOLIAR APPLICATION (Use Prohibited in CA)**

PHI (pre-harvest interval) denotes number of days to harvest.

<b>CROP</b>	<b>INSECTS</b>	<b>AMOUNT OF ACEPHATE 90 WDG PER ACRE</b>	<b>FURTHER USE INSTRUCTIONS AND RESTRICTIONS</b>	<b>PHI</b>
Tobacco (Flue-Cured, Air Cured, Dark Fire Cured)	Grasshoppers	0.28-0.83 lb.	Apply in 10 to 50 gals. water per acre with ground equipment or a minimum of 3 gals. per acre by air.  <b>RESTRICTIONS:</b> <ul style="list-style-type: none"> <li>Do not apply more than 4.0 lbs. a.i. (4.44 lbs. product) per acre per crop cycle. This includes all methods of application</li> <li>Apply spray at a minimum of 7 days if necessary to maintain control.</li> </ul>	3
	Green Peach Aphid	0.55-0.83 lb.		
	Flea Beetle			
	Hornworm Tobacco Thrips			
	Tobacco Aphid	0.55-0.83 lb.		
Vegetable Weevils Stinkbugs				
Budworm Cabbage Looper Cutworm	0.83 lb.			

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40**TOBACCO PLANT BED APPLICATION**

(Use Prohibited in CA)

CROP	INSECTS	AMOUNT OF ACEPHATE 90 WDG PER ACRE	FURTHER USE INSTRUCTIONS AND RESTRICTIONS
Tobacco Bed Treatment	Flea Beetle Green Peach Aphid Tobacco Aphid Cutworm	0.83 lb.	Apply to foliage at the equivalent of 1 tablespoon in 1 gal. of water per every 1,000 sq. ft. of bed.  Apply evenly to ensure thorough coverage.  <b>RESTRICTIONS:</b> <ul style="list-style-type: none"> <li>Do not apply more than 4.0 lbs. a.i. (4.4 lbs. product) per acre per season. This includes all methods of application.</li> <li>Apply spray at a minimum of 7 days if necessary to maintain control.</li> </ul>

**TOBACCO FLOATBED/GREENHOUSE APPLICATION**

(Use Prohibited in CA)

CROP	INSECTS	AMOUNT OF ACEPHATE 90 WDG PER ACRE	FURTHER USE INSTRUCTIONS AND RESTRICTIONS
Tobacco	Cutworm Flea beetle Green Peach Aphid Tobacco Aphid	0.83 lb.	Apply to foliage at the equivalent of 1 tablespoon in 3 gals. of water per every 1,000 sq. ft. of bed. Apply evenly to ensure thorough coverage. Dispose of floatbed water in the transplanted field through the transplant water or through foliar spray.  <b>RESTRICTIONS:</b> <ul style="list-style-type: none"> <li>Do not apply more than 4.0 lbs. a.i. (4.44 lbs. product) per acre per season. This includes all methods of application.</li> <li>Apply spray at a minimum of 7 days if necessary to maintain control.</li> </ul>

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40**FRUIT CROP**

PHI (pre-harvest interval) denotes number of days to harvest.

CROP	INSECTS	AMOUNT OF ACEPHATE 90 WDG PER ACRE	FURTHER USE INSTRUCTIONS AND RESTRICTIONS	Minimum Spray Interval (Days)	PHI
Cranberries	Cranberry Blossom Worm Gypsy Moth False Armyworm Fireworms Spanworms Sparganothis	1.11 lbs.	Apply using sufficient water to achieve thorough coverage (ground) or in a minimum of 2 gal. of water/A (aerial). Apply in water by air, ground or with sprinklers. <b>RESTRICTIONS:</b> <ul style="list-style-type: none"> <li>Do not apply from start of bloom until all berries have set. When applied via irrigation system, only sprinkler type irrigation equipment can be used.</li> <li>Limit to one application per growing season.</li> <li>Maximum of 1 application per growing season.</li> <li>Do not apply more than 1.0 lb. a.i. (1.11 lbs. product) per acre per crop cycle. This includes all methods of application.</li> </ul>	N/A	90
Cranberries	Cranberry Blossom Worm Gypsy Moth False Armyworm Fireworms Spanworms Sparganothis	1.11 lbs.	Apply using sufficient water to achieve thorough coverage (ground) or in a minimum of 2 gal of water/A (aerial). <b>RESTRICTIONS:</b> <ul style="list-style-type: none"> <li>Do not apply from start of bloom until all berries have set; only one application may be applied post-bloom.</li> <li>Do not apply more than 1.0 lb. a.i. (1.11 lbs. product) per acre per crop cycle. This includes all methods of application.</li> <li>Limit to one application per growing season.</li> <li>When applied via irrigation system, only sprinkler type of irrigation may be used.</li> <li>Use limited to MA, NJ, WA, and WI.</li> </ul>	N/A	75

**SPRINKLER IRRIGATION APPLICATION TO CRANBERRIES**

Apply to cranberries only by sprinkler irrigation systems. Do not apply by chemigation to any other crop, or this crop using any other type of irrigation system.

For overhead chemigation, apply only when wind speed is 10 mph or less.

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This product may only be applied through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, travelers, big gun, solid set, or hand move. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of treated water.

If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.

**RESTRICTION:** Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

**RESTRICTION:** Do not apply when wind speed favors drift beyond the area intended for treatment.

**Solid Set System\*\*:** Apply specified dosage for the entire length of the irrigation period or for a 30 to 60 minute period at the end of a regular irrigation set or as a 30 to 60 minute injection as a separate application not associated with a regular irrigation. Allow time for all lines to flush the pesticide through all nozzles before turning off irrigation water. To ensure the lines are flushed and free of remaining pesticide, a dye indicator may be injected into the lines to mark the end of the application period.

**Center Pivot Systems\*\*:** Inject the specified dosage per acre continuously for one complete revolution of the system.

\*\*Constant agitation must be maintained in the chemical supply tank during the entire period of insecticide application. Inject the product with a positive displacement pump into the main line ahead of a right turn to ensure adequate mixing.

Application of more than label-specified quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness.

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40**VEGETABLE CROPS (EXCEPT SUCCULENT GREEN BEANS)**

PHI (pre-harvest interval) denotes number of days to harvest.

CROP	INSECTS	AMOUNT OF ACEPHATE 90WDG PER ACRE	FURTHER USE INSTRUCTIONS AND RESTRICTIONS	Minimum Spray Interval (Days)	PHI
Beans & Lima Beans (Dry & Succulent) (Except Succulent Green Beans)	Fleahoppers Grasshoppers	0.28-0.55 lb.	<p>Make the initial application when eggs or insects first appear using a minimum of 20 to 100 gallons (ground) or 2 gallons (aerial) of water/A.</p> <p>For severe insect infestations use the higher specified rates.</p> <p><b>RESTRICTIONS:</b></p> <ul style="list-style-type: none"> <li>The feeding of treated vines to livestock is prohibited.</li> <li>Do not apply more than 2.0 lb. a.i. (2.22 lbs. product) per acre per crop cycle.</li> <li>Use on succulent green beans as a food crop is prohibited (including string beans, snap beans and wax beans).</li> </ul>	7	14 (dry beans)  1 (lima beans succulent forms)
	Aphids Beanleaf Beetle Bean Leafroller Cabbage Looper Cutworms Green Cloverworm Leafhoppers Mexican Bean Beetle Plantbugs (Lygus) Soybean Looper Thrips Whitefly	0.55-1.11 lbs.	<p>Succulent green bean use is permitted ONLY if grown for seed.</p> <p><b>RESTRICTIONS FOR SUCCULENT GREEN BEANS GROWN FOR SEED</b></p> <ul style="list-style-type: none"> <li>Do not feed crop residues to livestock or allow animals to graze treated areas.</li> <li>Do not apply to succulent beans grown for fresh market or processing.</li> <li>No portion of the succulent bean plant may be used or distributed for food or feed purposes.</li> <li>Seeds grown from succulent beans shall bear a tag or container label which forbids use of the seed for human consumption or animal feed.</li> <li>Seeds grown from succulent beans may not be distributed for human consumption or animal feed.</li> </ul>		

CROP	INSECTS	AMOUNT OF ACEPHATE 90WDG PER ACRE	FURTHER USE INSTRUCTIONS AND RESTRICTIONS	Minimum Spray Interval (Days)	PHI
	Armyworms Corn Earworm European Cornborer	0.83-1.11 lbs.		7	14
Brussels Sprouts, Cauliflower	Green Peach Aphid	0.55-1.11 lbs.	Make initial application when eggs or insects first appear using a minimum of 25 to 150 gallons (ground) or 5 gallons (aerial) of water/A.	7	14
	Cabbage Looper Diamondback Moth Imported Cabbageworm	1.11 lbs.	Use the higher specified rate when heavy infestations of aphids are present.  <b>RESTRICTIONS:</b> <ul style="list-style-type: none"> <li>The feeding of treated trimmings or the grazing of livestock in treated areas is prohibited.</li> <li>Do not apply more than 2.0 lb. a.i (2.22 lbs. product) per acre per crop cycle.</li> </ul>		
Celery	Green Peach Aphid	0.55 to 1.11 lbs.	Make the initial application when eggs or insects first appear using a minimum of 50 to 100 gallons (ground) or 5 gallons (aerial) of water/A  <b>RESTRICTIONS:</b> <ul style="list-style-type: none"> <li>All celery must be trimmed (tops removed before shipment.)</li> <li>The use of treated tops for food/feed is prohibited.</li> <li>Do not apply more than 2.0 lb a.i (2.22 lbs. product) per acre per crop cycle.</li> </ul>	7	21
	Beet & Fall Armyworm Cabbage Looper	1.11 lbs.			
Head Lettuce (Crisphead Type Only)	Aster Leafhopper Green Peach Aphid	0.55-1.11 lbs.	Apply using a minimum of 10 to 60 gallons (ground) or 5 gallons (aerial) of water/A.  <b>RESTRICTIONS:</b>		

CROP	INSECTS	AMOUNT OF ACEPHATE 90WDG PER ACRE	FURTHER USE INSTRUCTIONS AND RESTRICTIONS	Minimum Spray Interval (Days)	PHI
	Cabbage Looper Armyworm (excluding beet armyworm)	1.11 lbs.	<ul style="list-style-type: none"> <li>Applications may be made in spring, summer, and early fall in all areas; winter applications may be made in AZ, CA, FL, and TX; and late fall applications may be made in AZ. In the desert areas of AZ and CA, do not apply after the first head begins to form in crops which germinate from mid-September through November.</li> <li>The feeding of trimmings to livestock and the grazing of animals on treated areas are prohibited.</li> <li>Maximum of 5 applications per crop season.</li> <li>Do not apply more than 2.0 lb. a.i. (2.22 lbs. product) per acre per crop cycle.</li> </ul>		
Peppers (non bell type)	Aphids	0.55 lb.	<p>Apply using a minimum of 40 to 150 gallons of water/A.</p> <p><b>RESTRICTIONS:</b></p> <ul style="list-style-type: none"> <li>Use limited to Midwestern and Eastern states and to PR.</li> <li>Maximum of 2 applications per crop season.</li> <li>Do not apply more than 1.0 lbs. a.i. (1.11 lbs. product) per acre per crop cycle.</li> </ul>		7
Peppers (Bell type)	Grasshoppers	0.28-1.11 lbs.	<p>Make the initial application when eggs or insects first appear using a minimum of 25 to 150 gallons (ground), 3 gallons (aerial), or 5 gallons (aerial in CA) of water/A.</p> <p><b>RESTRICTION:</b></p> <ul style="list-style-type: none"> <li>Do not apply more than 2.0 lbs. a.i. (2.22 lbs. product) per acre per crop cycle</li> </ul>	7	7
	Cabbage Looper Green Peach Aphid Tobacco Hornworm	0.55-1.11 lbs.			
	European Cornborer	0.83-1.11 lbs.			

**NON-BEARING CITRUS**

PHI (pre-harvest interval) denotes number of days to harvest.

**RESTRICTIONS:**

- Do not graze treated area.
- Do not harvest citrus fruits for one year after treatment.

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CROP	INSECTS	AMOUNT OF ACEPHATE 90 WDG PER ACRE	FURTHER USE INSTRUCTIONS AND RESTRICTIONS	Minimum Spray Interval (Days)	PHI
CITRUS (Non-bearing)	Aphids Grasshoppers Katydid Mealybugs Orangedogs Plantbugs Thrips Whiteflies (except Sweetpotato/Silverleaf)	1.11 lb.	Make initial spray application to individual juvenile or non-bearing trees when eggs or insects first appear using a minimum of 100 to 200 gallons of water/A by ground equipment.	7	N/A
	Ants (excluding fire, harvester, carpenter and pharaoh)	4.44 lb	Make initial spray application to individual juvenile or non-bearing trees using a minimum of 100 to 200 gal of water/A by ground equipment. <b>RESTRICTION:</b> • Use limited to FL.	7	N/A
		Mound treatment Ground 2/3 oz in 5 gal water	Apply 1 gal. of the finished spray to each mound area by sprinkling the mound until it is wet and treat a 4 ft diameter circle around the mound.	N/A	N/A
CITRUS (Non-bearing)	Citrus Blackfly (not registered for use in CA)	0.5 to 0.83 lb	Apply when eggs or insects first appear. Use the higher specified rate when a heavy infestation is present. Repeat spray application at 7 to 10 day intervals.	N/A	N/A

**SPECIALTY USES****RESTRICTION:**

This product is not for outdoor residential use on lawns, turf, home gardens, ornamentals, flowers, shrubs or trees. This restriction applies to all uses listed on this label.

CROP	INSECTS	AMOUNT OF ACEPHATE 90 WDG PER ACRE	FURTHER USE INSTRUCTIONS AND RESTRICTIONS
Non-crop Areas (field borders, fencerows, roadsides, ditch-banks and borrow pits)	Grasshoppers	0.28 lb.	Apply using a minimum of 10 to 20 gallons (ground), 1 gallon (aerial), or 5 gallons (aerial in CA) of water per acre. <b>RESTRICTION:</b> • The grazing or feeding of vegetation cut from treated areas is prohibited.

CROP	INSECTS	AMOUNT OF ACEPHATE 90 WDG PER ACRE	FURTHER USE INSTRUCTIONS AND RESTRICTIONS
Non-Crop Areas	Ants (excluding fire, harvester, carpenter and pharaoh)	<p><b>Mound Treatment-</b></p> <p><b>Dry Method:</b> Evenly distribute 1 to 2 teaspoons over the mound.</p> <p><b>Drench Method:</b> Mix 2/3 oz. in 5 gals. of water. Apply 1 gallon of mix to each mound area by sprinkling the mound until it is wet and treat a 4 foot diameter circle around the mound.</p>	<p>For best results apply the material in the early morning or late afternoon when the ants are most active.</p> <p>Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest.</p> <p>Grass in treated area may be injured.</p> <p><b>RESTRICTIONS:</b></p> <ul style="list-style-type: none"> <li>Do not treat mound more than once per season.</li> <li>Maximum of 2 tsp product/mound (dry method) per season.</li> <li>The grazing or feeding of vegetation cut from treated areas is prohibited.</li> <li>Do not use on turf.</li> </ul>

## Non-Crop Areas (Wasteland)

CROP	INSECTS	AMOUNT OF ACEPHATE 90 WDG PER ACRE	FURTHER USE INSTRUCTIONS AND RESTRICTIONS
Foliar Ground/Aerial	Black Grass Bugs Grasshoppers Mormon Crickets	1.6 to 2.2 oz	<p>Apply using a minimum of 10 to 20 gallons (ground), 1 to 5 gallons (aerial), or 5 gallons (aerial in CA) of water/A.</p> <p><b>RESTRICTION:</b></p> <ul style="list-style-type: none"> <li>The grazing or feeding of vegetation cut from treated areas is prohibited.</li> </ul>
Mound Treatment Ground	Ants (excluding fire, harvester, carpenter and pharaoh)	Mix 2/3 oz. in 5 gals. of water. Apply 1 gallon of mix to each mound area by sprinkling the mound until it is wet and treat a 4 foot diameter circle around this mound.	<p><b>RESTRICTIONS:</b></p> <ul style="list-style-type: none"> <li>The grazing or feeding of vegetation cut from treated areas is prohibited.</li> <li>Only one application per season.</li> <li>Seasonal Rate: Maximum application 13 mounds/A.</li> </ul>

**CONTAINER GROWN NURSERY STOCK**

PLANTS	INSECTS	AMOUNT OF ACEPHATE 90 WDG	TIME OF APPLICATION	APPLICATION DIRECTIONS
Container Grown Nursery Stock (Arborvitae, Azalea, Camellia, Rhododendron, Roses, Viburnum, Yew)	Black Vine Weevil Strawberry Root Weevil	0.63 lb.	Thorough drench application of liquid formulation should be made by mid-September for greenhouse stock and by mid-October for outdoor stock. Consult your local county extension agent for information on the identification and control of root weevils on ornamentals.	Apply the specified amount of Acephate 90 WDG per 100 gals. of solution so as to thoroughly drench the root system.
	Ants (excluding fire, harvester, carpenter and pharaoh)	0.63 lb.	Apply as needed to control the pest.	

**ORNAMENTAL TREES & SHRUBS****RESTRICTIONS:**

- Do not apply by low pressure hand wand.
- This product is not for outdoor residential use on lawns, turf, home gardens, ornamentals, flowers, shrubs or trees. This restriction applies to all uses listed on this label.

PLANTS	INSECTS	AMOUNT ACEPHATE 90 WDG PER 100 GALS.	TIME OF APPLICATION	Minimum Spray Interval (Days)	APPLICATION DIRECTIONS AND RESTRICTIONS
Trees and Shrubs (except Flowering Crabapple, see below)	Aphids Bagworms Birch Leafminer Tent Caterpillar* Lace Bugs Leafrollers	0.28 lb. to 1.1 lbs. (4.4 to 17.7 oz)	As the insects or damage first appear.	14	Apply the specified amount of Acephate 90 WDG in 100 gals. water with a hydraulic sprayer. The addition of a suitable sticker improves control of Gypsy Moth larvae.  *Mist blower application: Adjust rates to 1.11 lbs. per 100 gals. water for Gypsy Moth control and 0.83 lb. per 100 gals. water for Tent Caterpillar control.
	Douglas Fir Tussock Moth Larvae Gypsy Moth Larvae* Webworms	0.55 to 1.11 lbs. (8.7 to 17.7 oz)	As insects begin to appear	14	Application to Huckleberry,

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PLANTS	INSECTS	AMOUNT ACEPHATE 90 WDG PER 100 GALS.	TIME OF APPLICATION	Minimum Spray Interval (Days)	APPLICATION DIRECTIONS AND RESTRICTIONS
Trees and Shrubs (except Flowering Crabapple, see below)	Scales (Crawlers)	0.55 to 1.11 lbs. (8.7 to 17.7 oz)	As crawlers begin to appear. Repeat applications, at a 2 week or more interval, may be necessary where there is continuous crawler production.		Balm of Gilead, Cottonwood, Lombardy Poplar and Viburnum suspensum may result in phytotoxicity.  <b>Nursery crops:</b> Before treating large plantings, spray only a few plants and observe two weeks
	Ponderosa Pine Needle Miner	0.55 to 1.11 lbs. (8.7 to 17.7 oz)	Time of application is important. Consult your Farm Advisor or County Extension Agent.	14	Apply the specified amount of Acephate 90 WDG in 100 gals. water with a hydraulic sprayer as a full coverage spray.
	Grasshoppers	0.55-1.11 lbs. (8.7-17.7 oz)	As the grasshoppers begin to appear.		
	California Oakworm Cankerworms (Spring & Fall)	0.28 lb-1.1 lbs. (4.4-17.7 oz)	As the insects begin to appear. Use the higher specified amount when the larger larvae are present.	14	Apply the specified amount of Acephate 90 DG in 100 gals. water with a hydraulic sprayer as a full coverage spray.
	Nantucket Pine Tip Moth Larvae	1.11 lbs (17.7 oz)	Time of application is important. Consult your Farm Advisor or County Extension Agent. Repeat applications will be required for subsequent generations.		
	Root Weevil Adults	1.11 lbs. (17.7 oz)	Apply when first feeding damage occurs. Repeat applications at four week intervals until the first heavy frost, may be necessary for complete foliage protection.		
	Box Elder Bugs Sawflies Budworms Leafhoppers	1.11 lbs (17.7 oz)	As the insects begin to appear.		

PLANTS	INSECTS	AMOUNT ACEPHATE 90 WDG PER 100 GALS.	TIME OF APPLICATION	Minimum Spray Interval (Days)	APPLICATION DIRECTIONS AND RESTRICTIONS
	Japanese Beetle	1.11 lbs. (17.7 oz)	As the Japanese Beetles begin to appear. Repeat applications, at 2 week intervals, may be necessary.	14	Apply the specified amount of Acephate 90 DG in 100 gals. water with a hydraulic sprayer as a full coverage spray.
	Elm Leaf Beetle (larvae)	1.11 lbs. (17.7 oz)	As the larvae begin to appear. Acephate 90 WDG will not prevent Elm Leaf Beetle eggs from hatching.		
Douglas Fir, Christmas Trees	Douglas Fir Needle Midge	0.55 lb (8.7 oz)	Make application no more than 2 weeks prior to bud burst. For additional pest management information, consult your county extension service.	3 days for rates up to and including 0.5 lbs. a.i./A and 7 days for rates over 0.5 lbs. a.i./A.	Apply a minimum of 2 weeks prior to bud burst using a minimum of 100 (ground) or 2 (aerial) gal. of water/A.  <b>RESTRICTIONS:</b> <ul style="list-style-type: none"> <li>• Maximum of 1 application per crop season.</li> <li>• Do not apply more than 0.55 lb. product per acre per crop cycle.</li> </ul>
Flowering Crabapple	Aphids Tent Caterpillars Leafrollers	0.28 lb. (4.4 oz)	As the insects begin to appear.	28	Apply the specified amount of Acephate 90 WDG in 100 gals. water with a hydraulic sprayer. <b>Note:</b> Phytotoxicity has occurred on the following Crabapple varieties: Hopa, Ichonoski, Malusfloribunda, Pink Perfection, Red Wine and Snow Cloud.  <b>RESTRICTION:</b> <ul style="list-style-type: none"> <li>• Do not apply more often than 3 times in a growing season.</li> </ul>

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PLANTS	INSECTS	AMOUNT ACEPHATE 90 WDG PER 100 GALS.	TIME OF APPLICATION	Minimum Spray Interval (Days)	APPLICATION DIRECTIONS AND RESTRICTIONS
Crepe Myrtle	Aphids	3 to 4 level tbs. (0.7-1.0 oz) per 1 tablespoon of water	As aphids begin to appear.	3 days for rates up to and including 0.5 lbs. a.i./A and 7 days for rates over 0.5 lbs. a.i./A.	Make a paint-on slurry to the trunk in a band 6-12 inches above the ground by mixing the specified amount of Acephate 90 WDG. Remove the loose bark from the trunk areas to be treated. Completely paint a band around each trunk to a width twice its diameter. Make application to trunks within a zone 6 to 12 inches above the ground and below the point where branching begins. For multi-trunk plants be certain to treat all trunks. For either single or multi-trunk plants, make application as low as possible within the specified treatment zone.

**COMMERCIAL TURFGRASS: SOD FARM AND GOLF COURSES ONLY**

**Restrictions:**

- DO NOT ALLOW LIVESTOCK TO GRAZE TREATED AREAS. DO NOT FEED TREATED GRASS TO LIVESTOCK.
- Use limited to sod farms and golf courses, except when applying by mound or spot treatment for fire ant and harvester ant control.
- Aerial applications to turf are prohibited.
- **This product is not for outdoor residential use on lawns, turf, home gardens, ornamentals, flowers, shrubs or trees. This restriction applies to all uses listed on this label.**
- Golf Courses: Do not exceed 4 lbs. a.i. (4.44 lbs. product) per year.
- Sod Farms: Do not exceed 3 lbs. a.i. (3.33 lbs. product) per year.

**COMMERCIAL TURFGRASS: SOD FARM AND GOLF COURSES ONLY (cont'd.)**

INSECTS	ACEPHATE 90 WDG PER 1,000 SQ. FT. GOLF COURSES	ACEPHATE 90 WDG PER 1,000 SQ. FT. SOD FARM TURF	TIME OF APPLICATION	Minimal Spray Interval (Days)	APPLICATION DIRECTIONS AND RESTRICTIONS
Fall Armyworm Yellow Striped Armyworm Southern Armyworm	0.4 to 1.0 oz. (1.1 to 2.7 lbs./acre)	0.4 to 1.0 oz. (1.1 to 2.7 lbs./acre)	Apply as the insects appear. A repeat application at 2 week intervals may be necessary.	14	Apply the specified amount of Acephate 90 WDG per 1,000 sq. ft.  Use a minimum of 5 gals. water per 1,000 sq. ft. to obtain good coverage.  Sod farm turf: Preharvest interval (PHI): 3 days
Cutworm	1.0 to 1.6 oz. (2.7 to 4.3 lbs./acre)	1.0 to 1.2 oz. (2.7 to 3.2 lbs./acre)			
Chinch Bugs	1.0 to 1.6 oz. (2.7 to 4.3 lbs./acre)	1.0 to 1.2 oz. (2.7 to 3.2 lbs./acre)	Apply as needed for adult population knockdown.  Repeat application if needed.	10	Apply the specified amount 1 of Acephate 90 WDG per 1,000 sq. ft.  Use 1 to 15 gals. water per 1,000 sq. ft. to obtain good coverage.  Sod farm turf: Preharvest interval (PHI): 3 days  For heavy infestations, use the higher specified dosage rate.

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INSECTS	ACEPHATE 90 WDG PER 1,000 SQ. FT. GOLF COURSES	ACEPHATE 90 WDG PER 1,000 SQ. FT. SOD FARM TURF	TIME OF APPLICATION	Minimal Spray Interval (Days)	APPLICATION DIRECTIONS AND RESTRICTIONS
Sod Webworm (Crambus spp.)	0.4 to 0.8 oz. (1.1 to 2.3 lbs./acre)	0.4 to 0.8 oz. (1.1 to 2.3 lbs./acre)	As sod webworms begin to appear a repeat application may be necessary.	7	Apply the specified amount 1 of Acephate 90 WDG per 1,000 sq. ft.  Use 1 to 15 gals. water per 1,000 sq. ft. to obtain good coverage.  Sod farm turf: Preharvest interval (PHI): 3 days  For heavy infestations, use the higher specified dosage rate.
Leafhopper	0.8 oz. (2.3 lbs./acre)	0.8 oz. (2.3 lbs./acre)	As the leafhoppers begin to appear a repeat application may be necessary.		

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INSECTS	ACEPHATE 90 WDG PER 1,000 SQ. FT. GOLF COURSES	ACEPHATE 90 WDG PER 1,000 SQ. FT. SOD FARM TURF	TIME OF APPLICATION	Minimal Spray Interval (Days)	APPLICATION DIRECTIONS AND RESTRICTIONS
Mole Crickets (except CA) Spittlebug (except CA)	0.8 to 1.6 oz. (2.3 to 4.3 lbs./acre)	0.8 to 1.2 oz. (2.3 to 3.2 lbs./acre)	As mole crickets begin to appear, and for knockdown of existing populations, more than one application may be required throughout the growing season.		Apply the specified amount of Acephate 90 WDG per 1,000 sq. ft.  Use 1 to 15 gals. water per 1,000 sq. ft. to obtain good coverage.  Apply during late afternoon or early evening hours and after irrigation.  Sod farm turf: Preharvest interval (PHI): 3 days  <b>RESTRICTION:</b> Do not irrigate after application. <sup>1</sup>

<sup>1</sup>The use of a lemon fragrance substance in the spray mix may enhance control by acting as a flushing agent and thus provide increased mole cricket contact with the Acephate 90 WDG. The following lemon-scented products have been shown to be effective flushing agents: Lemon Joy, Lemon Palmolive and Might Myrt Products Manufacturer-BasePure Lemon Fragrance. The use rate for these 1 lemon-scented products is 2 teaspoons per gallon of water for small total mix volumes or 6 fl. oz. per 50 gals. of water for a large total mix volume.

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INSECTS	ACEPHATE 90 WDG PER 1,000 SQ. FT. GOLF COURSES	ACEPHATE 90 WDG PER 1,000 SQ. FT. SOD FARM TURF	TIME OF APPLICATION	Minimal Spray Interval (Days)	APPLICATION DIRECTIONS AND RESTRICTIONS
Greenbug ( <i>Schizaphis graminum</i> ) Grasshoppers	0.4 oz (1.1 lbs. per acre)	0.4 oz (1.1 lbs. per acre)	Apply when insects first appear. A repeat may be necessary.	7	Apply the specified amount of Acephate 90 WDG per 1,000 sq. ft.  Use 4 gals. water per 1,000 sq. ft. to obtain good coverage.  <b>RESTRICTION:</b> Do not mow turfgrass for at least 24 hours after application.  Sod farm turf: Preharvest interval (PHI): 3 days
Black turfgrass Ataenius (Except CA)	1.3 to 1.6 oz. (3.4 to 4.3 lbs./acre)	1.2 oz. (3.2 lbs./acre)	Apply when the insects first appear.  A repeat application may be necessary.	7	Apply the specified amount of Acephate 90 WDG per 1,000 sq. ft.  Use minimum of 5 gals. water per 1,000 sq. ft.  Irrigate lightly (no more than 0.5 inches) after application.  Use higher specified rate for severe infestations.  Sod farm turf: Preharvest interval (PHI): 3 days
Dichondra on golf courses and sod farms: Cutworm Flea Beetle Southern Armyworm Yellow Striped Armyworm.	0.83 to 1.6 oz. (2.3 to 4.3 lbs. per acre)	0.83 to 1.2 oz. (2.3 to 3.2 lbs. per acre)		14	Apply the specified amount of Acephate 90 WDG per 1,000 sq. ft.  Use a minimum of 15 gals. water per 1,000 sq. ft. to obtain good coverage.  Sod farm turf: Preharvest interval (PHI): 3 days

**MOUND TREATMENT OF FIRE ANTS AND HARVESTER ANTS IN TURFGRASS**

PLANTS	PESTS CONTROLLED	AMOUNT OF ACEPHATE 90 WDG	APPLICATION TIMING	APPLICATION INSTRUCTIONS
Turfgrass:  Residential, recreational and commercial turf	Fire ants, harvester ants*  *Not registered in CA for use to control harvester ants	Mound treatment – Drench method:  Mix 0.83 oz. in 5 gals. of water. Apply 1 gal. of mix to each mound area by sprinkling the mound until it is wet and treat a four (4) foot diameter circle around the mound.	When insects first appear. Ants are most active in the early morning or late afternoon and best results are achieved if applications are made at these times.  Applications made under prolonged hot and dry conditions may be ineffective due to the location of the ants deep within the nest.	For Sod Farms: Allow at least 3 days to elapse between last application and harvesting sod.  <b>RESTRICTIONS:</b> <ul style="list-style-type: none"> <li>Do not allow livestock to graze treated areas.</li> <li>Do not feed treated grass to livestock.</li> <li>Do not treat mound more than once per season.</li> </ul>

**OUTDOOR WASP AND PERIMETER SPRAY****Restrictions:**

- This product is not for outdoor residential use on lawns, turf, home gardens, ornamentals, flowers, shrubs or trees. This restriction applies to all uses listed on this label.

LOCATION	INSECTS	AMOUNT ACEPHATE 90 WDG PER GALLON	TIME OF APPLICATION	APPLICATION DIRECTIONS AND RESTRICTIONS
Outdoor and perimeter area (excluding residential)	Wasps	1.3 oz. (0.08 lb.)	Treat early or late in the day as wasps are less active during these times.	Apply the specified amount of Acephate 90 WDG per gallon of water used.  Apply as a spot treatment to the nest, nest entrance, and surrounding areas where the wasps land.
	Ants (including Imported Fire Ants and Harvester Ants) Crickets Cockroaches Earwigs Pillbugs (Perimeter treatment)		As insects appear.	Apply the specified amount of Acephate 90 WDG per gallon of water used. Apply to a band of soil 6 to 10 feet adjacent to the structure and to a height of 2 to 3 feet from the foundation where pests may be active or may find entrances. Also apply as a residual spray or with a paint brush to surfaces of buildings, window frames, shutters, entryways, screens, eaves, patios, garages, carports, around garage areas and other areas where the insects may be found.

**OUTDOOR FLORAL CROPS AND GROUND COVERS****Restrictions:**

- Do not exceed 0.75 pounds of active ingredient per 100 gallons water as a single application to crops grown for cut flower production and 1.0 lb active ingredient per 100 gallons for all other greenhouse and outdoor ornamental plants.
- Do not apply using low-pressure hand-wand.
- This product is not for outdoor residential use on lawns, turf, home gardens, ornamentals, flowers, shrubs or trees. This restriction applies to all uses listed on this label.

PLANTS	PESTS CONTROLLED	ACEPHATE 90 WDG APPLICATION RATE PER 100 GALS.	TIME OF APPLICATION	APPLICATION DIRECTIONS
Chrysanthemums Daisies Dahlias Easter Lily Gladioli Gypsophila Pachysandra Pansy Peony Roses Sedum Statice Strawflower Yarrow Zinnia	Aphids Thrips Lygus	0.5 lb. (8 oz.)	As insects begin to appear. To maintain control, repeat applications may be necessary. Allow a minimum of 14 days between applications.	Apply the specified amount of Acephate 90 WDG in 100 gallons of water with a hydraulic sprayer as a full coverage spray. Multiple applications may cause slight tip burn or marginal leaf necrosis on some varieties. Test on a sample plant to determine if unacceptable damage occurs prior to application to all plants.
Roses Boston Ivy	Japanese Beetle	1.11 lb. (17.7 oz.)	As Japanese beetles begin to appear. To maintain control, repeat applications may be necessary. Allow a minimum of 14 days between applications.	Applications to roses in flower may cause damage to flower.

**COMMERCIAL GREENHOUSE FLORAL AND FOLIAGE PLANT CROPS****Restrictions:**

- Do not apply more often than every 5 days.
- Do not exceed 0.75 pounds of active ingredient per 100 gallons water as a single application to crops grown for cut flower production and 1.0 lb active ingredient per 100 gallons for all other greenhouse and outdoor ornamental plants.

Phytotoxicity has occurred on the following foliage plants:

Blechnum gibbum	Cissus Antarctica
Ficus triangularis	Fittonia verschaffelti
Maranta leuconeura kerchoveana	Pachystachya lutea
Plectranthus australis	Polypodium aureus
Polystichum	Pteris ensiformis

*Tolmiea menziesii*

Before treating large plantings, spray a test sample of plants and observe for 2 weeks for varietal phytotoxicity. Acephate 90 WDG applications on certain varieties of Poinsettias after bract formation may result in phytotoxicity.

Phytotoxicity has occurred on the following Chrysanthemum varieties:

- |             |         |           |             |
|-------------|---------|-----------|-------------|
| Albatross   | Garland | Pride     | Tally Ho    |
| Bonnie Jean | Gem     | Showoff   | Westward Ho |
| Dixie       | Iceberg | Statesman | Wild Honey  |

Before treating large Chrysanthemum plantings, spray a test sample of plants and observe for 2 weeks for varietal phytotoxicity.

PLANTS	PESTS CONTROLLED	ACEPHATE 90 WDG APPLICATION RATE PER 100 GALS.	TIME OF APPLICATION	APPLICATION DIRECTIONS
Roses	Leafrollers	0.5 lb. to 0.83 lb. (8.7 to 13.3 oz.)	As leafrollers begin to appear. Use the higher specified amount when large larvae are present.	Apply the specified amount of Acephate 90 WDG in 100 gallons with a hydraulic sprayer as a full coverage spray. Applications to roses in flower may cause damage to flower.
Foliage Plants Anthuri- ums Cacti Orchids Poinsettia	Aphids	0.28 lb. (4.3 oz.)	As aphids begin to appear.	Apply the specified amount of Acephate 90 WDG in 100 gallons with a hydraulic sprayer as a full coverage spray. A wetting agent may be necessary when applying to difficult to wet foliage.
	Mealybugs Thrips Whiteflies	0.55 lb. (8.7 oz.)	As insects begin to appear. To maintain control of mealybugs and whiteflies, repeat applications at a minimum of 14-day spray intervals.	
	Scales (Crawlers)	0.55 lb. (8.7 oz.)	As insects begin to appear. To maintain control when there is continuous crawler production, repeat applications at a minimum of 14-day spray intervals.	
	Sweet Potato Whiteflies (except CA)	0.28 lb. (4.3 oz.) + 10 2/3 fl. oz. (0.2 lb. a.i.) Tame® 2.4 EC	Apply when insects first appear. If a population is well established, make one application of the tank mix and follow in 5 to 7 days with Tame® alone at 16 fl. oz./100 gals. (See Tame® label for instructions).	

PLANTS	PESTS CONTROLLED	ACEPHATE 90 WDG APPLICATION RATE PER 100 GALS.	TIME OF APPLICATION	APPLICATION DIRECTIONS
Roses Carnations Chrysanthemums	Aphids Thrips	0.55 lb. (8.7 oz.)	As aphids begin to appear. As thrips begin to appear or at the right flower bud stage. Apply as insects appear or at the tight flower bud stage. To maintain control, repeat applications may be necessary using the following <b>RESTRICTIONS:</b> - A minimum of 5 days between applications to roses. - A minimum of 28 days between applications to Carnations and Chrysanthemums.	Apply with a hydraulic sprayer as a full coverage spray.  Application to Chrysanthemums and Roses with open flowers will cause injury to the flowers.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Keep pesticide in original container. Store in a cool, dry place away from excessive heat. Do not put concentrate or dilute into food or drink containers.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** **Nonrefillable container.** Do not reuse or refill this container. Completely empty bag into application equipment. Offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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IMPORTANT INFORMATION READ BEFORE USING PRODUCT**

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**ACEPHATE 90 WDG**

Sub Label B, Pages 33-38 : Commercially Treated Cottonseed

**ACTIVE INGREDIENT:**

Acephate (O,S-Dimethyl acetylphosphoramidothioate).....90.0%

**OTHER INGREDIENTS:**.....10.0%**TOTAL** .....100.0%**KEEP OUT OF REACH OF CHILDREN****CAUTION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

**FIRST AID**

Acephate is an organophosphate, cholinesterase inhibitor

**IF SWALLOWED:**

- Call a poison control center or doctor immediately for treatment advice.
- Have a person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**IF IN EYES:**

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice

**IF ON SKIN OR CLOTHING:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

**IF INHALED:**

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

**NOTE TO PHYSICIAN:**

Acephate is a cholinesterase inhibitor. Measurement of blood cholinesterase activity may be useful in monitoring exposure but decisions regarding treatment will usually need to be made before test results are available. If signs of cholinesterase inhibition appear, atropine sulfate is antidotal. 2-PAM (PROTOPAM) is also antidotal and may be used in conjunction with atropine but should not be used alone.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For 24-hour medical emergency assistance (human or animal) call 1-800-222-1222.

EPA Reg. No.: 85678-  
EPA Est. No.

NET CONTENTS: \_\_ Pounds

Manufactured for  
RedEagle International, LLC  
1925 E. Edgewood Drive, Ste 105  
Lakeland, FL 33803

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Harmful if swallowed or inhaled. Causes moderate eye irritation. Avoid contact with eyes or clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, and Viton. If you want more options, follow the instructions for category F on an EPA chemical-resistance category selection chart.

**Mixers, loaders, applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Socks and shoes
- Chemical-resistant gloves

In addition, all mixers and loaders and all applicators using low-pressure hand wand application equipment must wear:

- A NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P, or HE filter.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

See engineering controls for additional requirements.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Controls Statement**

Pilots must use an enclosed cockpit in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)].

The use of human flaggers is prohibited.

**User Safety Recommendations**

Users should

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to birds. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**READ THE ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protections Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves made out of any waterproof material
- Shoes plus socks

**PRODUCT INFORMATION**

Acephate 90 WDG is a dispersible granule used as an insecticide for control of listed pests on selected agricultural crops and in certain listed non-crop areas. The active ingredient in Acephate 90 WDG is absorbed by plants via the roots and foliage to provide systemic control of feeding insects. Insect pests are generally controlled more effectively by Acephate 90 WDG through ingestion than by contact.

Because it is impossible to test this product for every combination of cultivar, soil and horticultural practice, it is the responsibility of the user to ensure that Acephate 90 WDG is compatible with the variety or cultivar of the ornamental crop to which you are making an application under your specific conditions. Test the product on a limited scale and observe for phytotoxicity over a two-week period prior to making large-scale applications.

Make repeat applications of Acephate 90 WDG to maintain control only as directed.

**FAILURE TO FOLLOW THE INSTRUCTIONS IN THIS LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY, AND/OR ILLEGAL RESIDUES.**

**TANK MIXES**

- When tank mixing Acephate 90 WDG with other products, read the entire label of each product being added to the mix and follow the most restrictive guidelines applicable to your situation.
- The user, applicator and/or application advisor accepts full responsibility for using this product with any other product or application method not expressly authorized by this label.

**RESTRICTIONS:**

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- Acephate 90 WDG is NOT for indoor residential use.
- Turf uses are restricted to ground applications to golf courses and sod farms only.
- This product is NOT for outdoor residential use on lawns, turf, home gardens, ornamentals, flowers, shrubs or trees. This restriction applies to all uses listed on this label.

**CHEMIGATION RESTRICTIONS:**

- Only cranberries can have this product applied by chemigation (sprinkler irrigation) system.
- Do not apply to cranberries using any other type of irrigation system.

**SPRAY DRIFT MANAGEMENT**

Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, non-target crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

The applicator also must use all other measures necessary to control drift.

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**COMMERCIALY TREATED COTTONSEED  
- FOR USE BY COMMERCIAL SEED TREATERS ONLY -**

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**APPLICATION INSTRUCTIONS**

This product is intended for the applicator to use treated seed for planting on the farm, package and store treated seed for later use, or package treated seed for later commercial sale.

Acephate 90 WDG contains a water-soluble systemic insecticide which helps to reduce cotton injury to cotton seedlings by several listed insects.

Acephate 90 WDG can be mixed in the slurry tank with most of the fungicide seed treatments in common use. It also can be applied as a separate treatment using enough water to give adequate coverage of the seed. Acephate 90 WDG dissolves quickly in water with a minimum of agitation.

When using formulations that do not contain dye, compliance with 21 CFR Chapter 1, Section 2.5 requires that all seed treated with a pesticide must be colored to distinguish from, and prevent inadvertent use as, food for man or feed for animals.

Treated seeds must not be used for, or mixed with food for animal feed, or processed for oil. Seeds treated with Acephate 90 WDG may be considered adulterated under state and federal laws if sold or shipped as food or feedstuffs. Seeds commercially treated with Acephate 90 WDG must be labeled as follows: "TREATED SEED: DO NOT USE FOR FOOD, FEED OR OIL"

Follow all precautions and limitations on labeling of all products used in mixtures.

PESTS CONTROLLED	AMOUNT OF ACEPHATE 90 WDG PER 100 LBS COTTON SEED	EFFICACY
Cotton Aphids Thrips (including Western Flower Thrips)	0.30 to 0.44 lb (4.8 to 7.1 oz)	Gives effective reduction of thrips and cotton aphids for up to three weeks after planting.
Black (Greasy) Cutworm	0.30 to 0.44 lb (4.8 to 7.1 oz)	Gives effective reduction of Black (Greasy) Cutworm from planting through the 3rd to 4th leaf stage of development. When planting into fields where large cutworms are present (5 <sup>th</sup> )

instar and larger), economic damage may occur.

**RESTRICTIONS:**

- Do not apply more than 4.0 lbs. a.i./A (4.4 lbs./A of Acephate 90 WDG) per crop cycle. This includes all uses of acephate in commercial seed treatment, in-furrow spray, and foliar applications.
- Do not use treated seed for food, feed, or oil production. Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.
- Store away from feeds and other foodstuffs.
- Wear long-sleeved shirt, long pants, and chemical-resistant gloves when handling treated seed.
- Dispose of seed packaging in accordance with local requirements.
- Exposed treated seed may be hazardous to birds and wildlife. Dispose of all excess treated seed and seed packaging by burial away from bodies of water. Cover or incorporate spilled treated seeds.
- Treated seeds must be planted into the soil at the depth of 1 inch or greater.
- Follow all precautions and limitations on labeling of all products used in mixtures.

**Seed Container Label Requirements**

Seed commercially treated with Acephate 90 WDG must be labeled in compliance with all the requirements of the Federal Seed Act. In addition, all bags containing treated seed must be labeled or tagged with the following information:

- This seed has been treated with Acephate 90 WDG, which contains x mg\* active ingredient (ai) per seed.  
\*to be filled in
- Do not apply more than 4.0 lbs. a.i./A per crop cycle. This includes all uses of acephate such as commercial seed treatments, in-furrow spray, and foliar applications.
- Do not use treated seed for food, feed, or oil production. Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.
- Store away from feeds and other foodstuffs.
- Wear long-sleeved shirt, long pants, and chemical-resistant gloves when handling treated seed.
- Dispose of seed packaging in accordance with local requirements.
- Exposed treated seed may be hazardous to birds and wildlife. Dispose of all excess treated seed and seed packaging by burial away from bodies of water. Cover or incorporate spilled treated seeds.
- Treated seeds must be planted into the soil at the depth of 1 inch or greater.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Keep pesticide in original container. Store in a cool, dry place away from excessive heat. Do not put concentrate or dilute into food or drink containers.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** **Nonrefillable container.** Do not reuse or refill this container.

Completely empty bag into application equipment. Offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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